

Ser. No. 10/805,841

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Response to Office Action of 2/4/05

Atty Docket 200512-5

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0018] with the following amended paragraph:

[0018] The long readout time of spiral trajectories leads to off-resonance signals that blur into neighboring pixels; spins from multiple off-resonance frequencies can all contribute to the voxel signal. However, it can generally be assumed that B_0 inhomogeneity is smoothly varying across the FOV (this assumption will be referred to as 'assumption(i)'). Thus, the average off-resonance frequency in any pixel is usually close to the true local B_0 field strength. This concept is exploited in the ~~[[conventional]]~~proposed method to create an off-resonance frequency map in spiral imaging, in which the phase difference is taken between two images (with different TE's) even though both images are already blurred by off-resonance effects.